

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	9033	grating with (focus\$3 focal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:36
L2	16546	grating with (base substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:36
L3	164256	(laser LED (optic\$2 light illumina\$4) near\$3 (source emit\$4 transmit\$5)) with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:36
L4	32137	(waveguid\$3 (wave adj1 guid\$3)) with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:36
L5	313	L1 and L2 and L3 and L4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:36
L6	688	(grating\$1 same (laser\$1 diode\$1 photodetector\$1 (photo adj1 detector\$1)) same (focus\$3 focal) same waveguide\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:36
L7	10	385/10.ccls. and L6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:36
S1	661	(grating\$1 same (laser\$1 diode\$1 photodetector\$1 (photo adj1 detector\$1)) same (focus\$3 focal) same waveguide\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/10 19:11

S2	9	385/10.ccls. and S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 19:58
S3	194	S1 and electrode\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 19:42
S4	379	385/10.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 19:58
S5	8662	grating\$1 with (focus\$3 focal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 13:20
S6	75	S4 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 19:59
S7	50	S6 and substrate\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 20:00
S8	10091	grating\$1 with (well cavity indent indentation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/09 20:03
S9	236	S1 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/10 19:03

S10	2	"6536957".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/10 19:03
S11	182	(grating\$1 same (laser\$1 diode\$1 photodetector\$1 (photo adj1 detector\$1)) same (focus\$3 focal) same waveguide\$1) same substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/10 19:14
S12	75	((grating\$1 near5 (focus\$3 focal)) same (laser\$1 diode\$1 photodetector\$1 (photo adj1 detector\$1))same waveguide\$1) same substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/10 19:55
S13	2	"4991919".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/10 19:55
S14	38	(electrically near1 pumped) with waveguide with (laser LED)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 10:41
S15	3	concentric adj1 blazed adj1 grating	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 11:37
S16	0	vortex adj diffractive	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 10:41
S17	3	concentric near6 blazed adj1 grating	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 10:43

S18	426888	concentric with6 blazed adj1 grating	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 10:44
S19	5	concentric with blazed adj1 grating	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 10:44
S20	20	(US-20050063644-\$ or US-20040042377-\$).did. or (US-5091983-\$ or US-5157543-\$ or US-5276745-\$ or US-5537617-\$ or US-6690851-\$ or US-6525307-\$ or US-5835472-\$ or US-5481516-\$ or US-5351262-\$ or US-5218584-\$ or US-5208827-\$ or US-5191624-\$ or US-5082629-\$ or US-5070488-\$ or US-4911512-\$ or US-4466696-\$ or US-3774987-\$).did. or (NA9103293).tban.	US-PGPUB; USPAT; IBM_TDB	OR	ON	2005/06/11 10:46
S21	2	S20 and (blazing adj1 grating)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 10:52
S22	29	(blazing adj1 grating)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 11:14
S24	5	(blaz\$3 adj1 grating) near6 concentric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 11:14
S25	5	(blaz\$3 adj1 grating) with concentric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 11:19

S26	0	(blaz\$3 adj1 grating) with concentric with (focus\$4 focal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 11:20
S27	51	(blaz\$3 adj1 grating) with (focus\$4 focal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 11:20
S28	3	concentric near5 blazed near5 grating same (focus\$4 focal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 11:37
S29	9013	grating with (focus\$3 focal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 13:31
S30	16503	grating with (base substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 13:25
S31	163772	(laser LED (optic\$2 light illumina\$4) near3 (source emit\$4 transmit\$5)) with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 13:30
S32	32077	(waveguid\$3 (wave adj1 guid\$3)) with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 13:33
S33	312	S29 and S30 and S31 and S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 13:30

S34	256433	(laser LED (optic\$2 light illumina\$4) near\$3 (source emit\$4 transmit\$5)) with (base substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 13:30
S35	256433	(laser LED (optic\$2 light illumina\$4) near\$3 (source emit\$4 transmit\$5)) with (base substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 13:31
S36	45766	(photodetect\$3 ((photo light) adj1 (receiv\$3 detect\$3)) photodiode (photo adj1 diode)) with (base substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 13:31
S37	16503	grating with (base substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 13:31
S38	9013	grating with (focus\$3 focal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 13:31
S39	384	S35 and S36 and S37 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 13:31
S40	36497	(waveguid\$3 (wave adj1 guid\$3)) with (substrate base)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 13:33
S41	339	(S35 S36) and S37 and S38 and S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 17:11

S42	2	"4991919".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 17:11
S43	2	"4991919".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:33
S44	401	grating near7 (focus\$4 focal) near5 (fiber core)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:33
S45	9272	grating near7 substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:33
S46	40142	grating near1 diffract\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:34
S47	2	S44 same (emitt\$4 receiv\$4 photodiode\$1 photodetect\$4 detect\$4) same substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:34
S48	22	S44 same (emitt\$4 receiv\$4 photodiode\$1 photodetect\$4 detect\$4) and S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:34
S49	449	250/227.21.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:34

S50	0	250/227.24.ccls	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:34
S51	156	250/227.25.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:34
S52	1271	250/237g.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:34
S53	0	("I12" "I13" "I14" "I15") and S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:34
S54	0	250/227.24.ccls	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:35
S55	319	250/227.24.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:35
S56	12	(S49 S51 S52 S55) and S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/10 11:35



PALM INTRANET

Day : Thursday  
Date: 11/10/2005  
Time: 11:04:29

## Inventor Name Search Result

Your Search was:

Last Name = GRUHLKE

First Name = RUSSELL

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">10356908</a>	<a href="#">6956221</a>	150	02/03/2003	TUNABLE CROSS-COUPLING EVANESCENT MODE OPTICAL DEVICES AND METHODS OF MAKING THE SAME	GRUHLKE, RUSSELL W.
<a href="#">10366755</a>	Not Issued	71	02/13/2003	Method and apparatus for modifying the spread of a laser beam	GRUHLKE, RUSSELL W.
<a href="#">10461057</a>	<a href="#">6768834</a>	150	06/13/2003	SLAB OPTICAL MULTIPLEXER	GRUHLKE, RUSSELL W.
<a href="#">10632574</a>	Not Issued	41	07/31/2003	Speckle based sensor for three dimensional navigation	GRUHLKE, RUSSELL W.
<a href="#">10632619</a>	Not Issued	71	07/31/2003	Method and apparatus for improved collection efficiency of speckle based navigation sensors using lightpipes and reflectors	GRUHLKE, RUSSELL W.
<a href="#">10638716</a>	Not Issued	41	08/11/2003	Device and method for emitting light with increased brightness using diffractive grating pattern	GRUHLKE, RUSSELL W.
<a href="#">10648554</a>	<a href="#">6947223</a>	150	08/25/2003	MULTI-FOCAL LENGTH MINIATURE REFRACTIVE ELEMENT AND METHOD FOR MAKING THE SAME	GRUHLKE, RUSSELL W.
<a href="#">10651401</a>	Not Issued	41	08/29/2003	External cavity laser in which diffractive focusing is confined to a peripheral portion of a diffractive focusing element	GRUHLKE, RUSSELL W.
<a href="#">10651677</a>	Not Issued	71	08/29/2003	Wavelength tuning an external cavity laser without mechanical motion	GRUHLKE, RUSSELL W.
<a href="#">10651737</a>	Not Issued	71	08/29/2003	Using relay lens to enhance optical performance of an external cavity laser	GRUHLKE, RUSSELL W.
<a href="#">10651747</a>	Not Issued	93	08/29/2003	METHOD OF ENHANCING WAVELENGTH TUNING PERFORMANCE IN AN EXTERNAL CAVITY LASER	GRUHLKE, RUSSELL W.
<a href="#">10701722</a>	Not Issued	41	11/04/2003	Electro-absorption modulator	GRUHLKE, RUSSELL W.
<a href="#">10740935</a>	Not Issued	71	12/18/2003	Color image sensor having imaging element array forming images on respective regions of sensor elements	GRUHLKE, RUSSELL W.
<a href="#">10741774</a>	Not Issued	71	12/18/2003	Color image sensor with imaging elements imaging on respective regions of sensor elements	GRUHLKE, RUSSELL W.
<a href="#">10789544</a>	Not Issued	30	02/26/2004	External cavity laser and method for selectively emitting light based on wavelength using aberration-corrected focusing diffractive optical element	GRUHLKE, RUSSELL W.
<a href="#">10804398</a>	Not Issued	71	03/19/2004	Optical coupler	GRUHLKE, RUSSELL W.
<a href="#">10821087</a>	Not Issued	30	04/08/2004	Color-tunable light emitter	GRUHLKE, RUSSELL W.
<a href="#">10927328</a>	Not Issued	30	08/25/2004	Multi-magnification color image sensor	GRUHLKE, RUSSELL W.
<a href="#">10933170</a>	Not Issued	30	09/02/2004	Offner imaging system with reduced-diameter reflectors	GRUHLKE, RUSSELL W.
<a href="#">10994077</a>	Not Issued	30	11/19/2004	Imaging systems and methods	GRUHLKE, RUSSELL W.
<a href="#">11021536</a>	Not Issued	30	12/23/2004	Optical system having extended angular scan range	GRUHLKE, RUSSELL W.
<a href="#">11088403</a>	Not Issued	30	03/24/2005	Offner imaging system with reduced-diameter reflectors	GRUHLKE, RUSSELL W.
<a href="#">11182306</a>	Not Issued	30	07/15/2005	Pattern detection system	GRUHLKE, RUSSELL W.
<a href="#">11222257</a>	Not Issued	20	09/08/2005	Position detection system using laser speckle	GRUHLKE, RUSSELL W.
<a href="#">11222258</a>	Not Issued	20	09/08/2005	Position detection system	GRUHLKE, RUSSELL W.
<a href="#">08674468</a>	<a href="#">5897184</a>	150	07/02/1996	REDUCED THICKNESS BACKLIGHTER FOR AUTOSTEREOSCOPIC DISPLAY AND DISPLAYING THE BACKLIGHTER	GRUHLKE, RUSSELL W.
<a href="#">08903184</a>	<a href="#">5841143</a>	150	07/11/1997	INTEGRATED FLUORESCENCE	GRUHLKE, RUSSELL W.
<a href="#">10313358</a>	<a href="#">6934437</a>	150	12/06/2002	OPTICALLY-CONTROLLED SWITCH AND OPTICALLY-CONTROLLED OPTICAL SWITCHING METHOD USING DISPERSION CURVE SHIFTING	GRUHLKE, RUSSELL WAYNE
<a href="#">10328689</a>	<a href="#">6882757</a>	150	12/23/2002	VELOCITY MATCHED WAVEGUIDE FOR TRAVELING-WAVE OPTICAL MODULATORS	GRUHLKE, RUSSELL WAYNE
<a href="#">10349797</a>	<a href="#">6906853</a>	150	01/23/2003	SYSTEMS AND METHODS FOR WAVELENGTH CONVERSION USING	GRUHLKE, RUSSELL WAYNE

				PHOTONIC BANDGAP SHIFTING	
10705141	Not Issued	93	11/10/2003	METHOD AND SYSTEM FOR CHANGING THE CROSS-SECTIONAL PROFILE OF A BEAM OF LIGHT	GRUHLKE, RUSSELL WAYNE

Inventor Search Completed: No Records to Display.

Search Another: Inventor 

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<input type="text" value="GRUHLKE"/>	<input type="text" value="RUSSELL"/>

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